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WHAT IS CLAIMED IS:

1	1.		A method of eliminating or reducing infection in a biological material,		
2	the method comprising removing a binding site contained in the material so that an infectious				
3	agent is prevented or inhibited from binding to the biological material.				
1	2.		The method of claim 1, wherein the infection is prion infection, and the		
2	infectious agent is prion protein.				
1	3.	•	The method of claim 1, wherein the biological material is bioprosthetic		
$a^{(2)}$	tissue.				
1	4.		The method of claim 3, wherein the structural integrity of the tissue is		
2	maintained.				
1	5.	•	The method of claim 3, further comprising contacting the bioprosthetic		
2	tissue with a preparation comprising a surfactant.				
1	6.	•	The method of claim 3 further comprising contacting the bioprosthetic		
2	tissue with a preparation comprising a surfactant and a denaturing agent.				
1	7.		The method of claim 6, wherein the surfactant is Tween 80.		
1	8.		The method of claim 6, wherein the denaturing agent is a protic		
2	solvent.				
1	9.		The method of claim 8, wherein the protic solvent is an alcohol.		
1	10	0.	The method of claim 9, wherein the alcohol is ethanol or isopropanol.		
1	1	1.	The method of claim 6, wherein the preparation further comprises an		
2	cross linking age	ent.			
1	12	2.	The method of claim 11, wherein the cross linking agent is an		
2	aldehyde.				
1	1:	3.	The method of claim 12, wherein the aldehyde is formaldehyde or		
2	glutaraldehyde.				

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the infectious agent is prion protein.

1	14.	The method of claim 1, wherein the infectious agent binding site is		
2	comprised of phospholipid.			
1	15.	The method of claim 14, wherein the phospholipid is selected from the		
2	group consisting of phosphatidylinositol, phosphatidylethanolamine,			
3	gangliotetraosylceramide, phosphatidylserine, phosphatidylcholine, phosphatidic acid, and			
4	sphingomyeline.			
$\frac{1}{2}$	16.	The method of claim 14, further comprising contacting the tissue with		
$\frac{2}{}$	a preparation including a phospholipase.			
1	17.	The method of claim 1, further comprising contacting the bioprosthetic		
$\frac{1}{2}$	tissue with a preparation comprising formaldehyde, ethanol, and Tween 80.			
2	dissue with a propara	mon comprising remainding to, equation, and 1 week sec.		
1	18.	The method of claim 2, wherein the prion protein further comprises		
2	prion-precursor protein.			
1	19.	The method of claim 1, further comprising a terminal sterilization step.		
1	20.	The method of claim 1, further comprising washing the tissue to		
	/			
2	promote removal of t	ne prion protein.		
1	21.	A method of treating a biological material, the method comprising		
2	removing a binding site contained in the material so that an unwanted protein is prevented or			
3	inhibited from binding to the biological material.			
1	22.	The method of claim 21, wherein the unwanted protein is selected from		
2	the group comprising	alkaline phosphatase, Thy-1, and acetylcholinesterase.		
1	23.	A method of eliminating or reducing infection in a biological material,		
2	the method comprising removing a binding site comprising binding site a protein or			
3	polysaccharide, contained in the material so that an infectious agent is prevented or inhibited			
4	from binding to the biological material.			

The method of claim 23, wherein the infection is prion infection, and

1	25.	The method of claim 23, wherein the structural integrity of the tissue is			
2	maintained.				
1	26.	The method of claim 23, further comprising contacting the			
2	bioprosthetic tissue	with a preparation comprising an enzyme that digests the binding site.			
1	27.	The method of claim 26, wherein the preparation comprises			
2	heparinase, in an amount effective to remove the binding site.				
1	28.	The method of claim 23, further comprising contacting the			
2/	bioprosthetic tissue	with a preparation comprising a solvent, a surfactant, or a chaotropic			
3	agent in an amount effective to extract the binding site from the tissue.				
1	29.	The method of claim 23, further comprising contacting the			
2		with a preparation that chemically/derivatizes a polycationic site, thereby			
3	eliminating the binding site from the tissue.				
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1	30.	The method of claim 23, wherein the binding sites has binding affinity			
2	to exogenous prion protein.				
1	31.	The method of claim 23, further comprising contacting the tissue with			
2	a preparation that has binding affinity for endogenous prion protein, so that a bound complex				
3	is formed between the preparation and the endogenous prion protein.				
	20				
1	32.	The method of claim 31, further comprising a washing step to remove			
2	the bound complex:	from the tissue.			
1	33.	A method of eliminating or reducing infection in a bioprosthetic tissue,			
2	the method compris	ing blocking a binding site contained in the tissue so that an infectious			
3	agent is prevented or inhibited from binding to the binding site.				
1	34.	The method of claim 33, wherein the infection of prion infection, and			
2	the infectious agent	is/prion protein.			
1	35. /	The method of claim 33, wherein the structural integrity of the tissue is			
	55. /	The medica of claim 55, wherein the structural integrity of the tissue is			
2	maintained.				

1		33, wherein the blocking step further comprises		
2	2 contacting the bioprosthetic tissue with a pre-	contacting the bioprosthetic tissue with a preparation comprising one or more polysulfonated		
3	3 polyglycosides.			
1	1 27 The method of claim	26 wherein the one or more polygulforeted		
1		36, wherein the one or more polysulfonated		
2	1 707			
3	3 colomycin, dextran sulfate, sulfated carageer	ians, and heparin/heparan sulfate.		
1	1 38. The method of claim 3	36, wherein the contacting step is performed at a		
2	2 temperature of about 37° C.			
1	7			
/1	$\frac{1}{1}$ 39. The method of claim 3	33, wherein the contacting step promotes the		
2	2 dissociation of prion protein from the biopro	dissociation of prion protein from the bioprosthetic tissue.		
1		ng or reducing infection in a bioprosthetic tissue,		
2		the method comprising blocking an infectious agent so that the infectious agent is prevented		
3	3 or inhibited from binding to a binding site in	or inhibited from binding to a binding site in the tissue.		
1	1 41. The method of claim 4	40, wherein the infection is prion infection, and		
2	/	yo, wherein the intection is prior intection, and		
۷	2 the infectious agent is priori protein.			
1	1 42. The method of claim 4	40, wherein the blocking step further comprises		
2	2 contacting the bioprosthetic tissue with a pre	contacting the bioprosthetic tissue with a preparation comprising a compounds selected from		
3	3 tetrasubstituted porphyrin, polyanionic funga	al agent, congo red, fast red, trypan red and		
4		/		
1	1 43. The method of claim 4	40, wherein the method is performed before,		
2	2 during, or after fixation.			
_		40 1		
1		40, wherein the method is performed during		
2	2 bioburden reduction.			
1	1 45. The method of claim 4	40, wherein the method is performed during final		
2		, wholem the method to performed during imm		
۷	2 Stormzation.			
1	1 46. The method of claim 4	40, wherein the method is performed during		
2	2 packaging			

The method of claim 46, further comprising storing the tissue in the

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group consisting of phosphatidylinositol, phosphatidylethanolamine,

The method of claim 50, wherein the phospholipid is selected from the

- gangliotetraosylceramide, phosphatidylserine, phosphatidylcholine, phosphatidic acid, and
 sphingomyelin.
 59. The method of claim 53, further comprising contacting the tissue with
- 2 a preparation including a phospholipase.
- 1 60. The method of claim 50, further comprising contacting the 2 bioprosthetic tissue with a preparation comprising formaldehyde, ethanol, and Tween 80.